



FORM PTO-1449	SERIAL NO. 10/025,185	CASE NO. 10907-5
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	FILING DATE December 19, 2001	GROUP ART UNIT TBA
APPLICANT(S): Liu, C.		

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

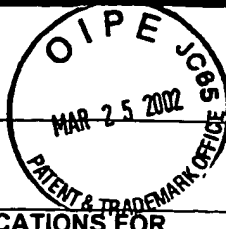
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
CW	A1	4,935,339	6/19/1990	Zahradnik		
	A2	5,196,306	3/23/1993	Bobrow et al.		
	A3	5,888,733	3/30/1999	Hyldig-Nielsen et al.		
	A4	6,087,102	7/11/2000	Chenchik et al.		
	A5	6,096,508	8/01/2000	Lemar et al.		
	A6	6,124,120	9/26/2000	Lizardi		
	A7	6,133,429	10/17/2000	Davis et al.		
	A8	6,203,989 B1	3/20/2001	Goldberg et al.		
	A9	5,981,734	11/09/1999	Mirzabekov		
	A10	5,932,711	08/03/1999	Boles et al.		
	A11	4,789,737	12/06/1988	Miyoshi et al.		
	A12	5,808,044	09/15/1998	Brush et al.		
	A13	5,371,241	12/06/1994	Brush		
	A14	6,001,966	12/14/1999	Pieken et al.		
	A15	5,583,001	12/10/1996	Bobrow et al.		
	A16	5,731,158	03/24/1998	Bobrow et al.		

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	NO
CW	A17	WO 00/31148	6/02/2000	PCT			
	A18	WO 00/18962	4/06/2000	PCT			

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
CW	A19	Sproat, B., <i>Chemistry and applications of oligonucleotide analogues</i> , Journal of Biotechnology 41 (1995) 221-238
	A20	<i>Covalent Coupling</i> , at http://www.exiqon.com/technology/covalent.htm
	A21	Beaucage, S., <i>Oligodeoxyribonucleotides Synthesis: Phosphoramidite Approach</i> (Chapter 3), Methods in Molecular Biology, Vol. 20, 33-61.
	A22	Jacobsen, N., M.Sc., <i>Technical Note: DNA Immobilizer™</i> at http://www.exiqon.com/upload/lib_DNA01.pdf
	A23	Jacobsen, N., M.Sc., <i>Technical Note: DNA Immobilizer™</i> at http://www.exiqon.com/upload/lib_DNA02.pdf
	A24	Verma, S., <i>Modified Oligonucleotides: Synthesis and Strategy for Users</i> , Annu. Rev. Biochem., 1998, Vol. 67, pages 99-134.
EXAMINER	DATE CONSIDERED 3/8/2005	

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(use several sheets if necessary)		APPLICANT(S): Liu, C.

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
C. W.	A25	Yamakazi et al., Journal of the American Chemical Society, 91, 520 (1969).
	A26	Cargill et al., Journal of Organic Chemistry, Vol. 36, No. 10, 1971
	A27	Caruthers, M., Chemical Synthesis of Deoxyoligonucleotides by the Phosphoramidite Method, Methods in Enzymology, Vol. 154, pages 287-313
	A28	Alexa Fluor: Simply the Best and Brightest Fluorescent Conjugates, found at http://www.probes.com/media/publications/150.pdf
	A29	Article, Amine-Reactive Probes, Molecular Probes Product Information (Revised: 26-December-2001)
	A30	Article, Alexa Fluor® 532 Protein Labeling Kit (A-10236), Molecular Probes Product Information (Revised: 01-October-2001)
	A31	Article, Alexa Fluor® Oligonucleotide Amine Labeling Kits, Molecular Probes Product Information (Revised: 06-April-2001)
	A32	Shi, L., DNA Microarray (Genome Chip)—Monitoring the Genome on a Chip, found at http://www.gene-chips.com/
	A33	Verma, S., Modified oligonucleotides: synthesis and strategy for users, found at http://www.ncbi.nlm.nih.gov:80
	A34	PubMed search results for "phosphoramidite chemistry" from summary fields. Retrieved on 31 March 2000. 59 hits found on 9 pages http://www.ncbi.nlm.nih.gov:80
	A35	STN structure search performed on 21 July 2000 in Registry File.

EXAMINER	DATE CONSIDERED
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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of 2

Complete if Known

Application Number	10/025.185
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Filing Date	December 19, 2001
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First Named Inventor	Chang-Gong Liu
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Art Unit	1645
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Examiner Name	to be assigned
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Attorney Docket Number	PU9989CIP2
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ^d
		Country Code ² -Number ⁴ -Kind Code ³ (if known)	MM-DD-YYYY			
CEP	B1	DE 39 19 915 A	12-20-1990	Boehringer Mannheim GMBH		
	B2	EP 0 386 644 A	09-12-1990	Hoffman La Roche		
	B3	WO 01/01143	01-04-2001	Charles Brush, et al.		
	B4	WO 02/12566	02-14-2002	Motorola, Inc.		
	B5	WO 99/43688	09-02-1999	Surmodics, Inc.		
	B6	WO 00/31148	06-02-2002	Motorola, Inc.		

**Examiner
Signature**

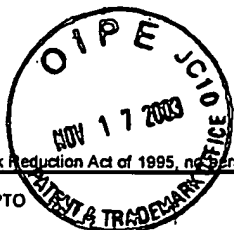
Date
Considered

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/025,185
Filing Date	December 19, 2001
First Named Inventor	Chang-Gong Liu
Art Unit	1645
Examiner Name	to be assigned
Attorney Docket Number	PU9989CIP2

Sheet 2

of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Ch	C1	WALKER, M. A. "The Mitsunobu Reaction: A Novel Method for the Synthesis of Bifunctional Maleimide Linkers" Tetrahedron Letters, volume 35, number 5, 1994, pages 665-668	
Ch	C2	BOOKER-MILBURN, K. I., et al. "Stereoselective Intermolecular '2+2' Photocycloaddition Reactions of Tetrahydropthalic Anhydride and Derivatives with Alkenols and Alkynols" Tetrahedron Letters, volume 55, 1999, pages 5875-5887	
Ch	C3	ELGHANIAN, R., et al. "The use and evaluation of 2+2 photoaddition in immobilization of oligonucleotides on a three dimensional hydrogel matrix" Nucleosides, Nucleotides & Nucleic Acids, United States, 2001 Apr-Jul, volume 20, number 4-7, April 2001, pages 1371-1375	
Ch	C4	REHMAN, F., et al. "Immobilization of acrylamide-modified oligonucleotides by co-polymerization" Nucleic Acids Research, Oxford University Press, Surrey, Great Britain, volume 27, number 2, 15 February 1999, pages 649-655	

Examiner Signature		Date Considered	3/8/2005
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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